

# SPECIFICATIONS



## IPA™ 75T II Industrial Power Amplifier

### SPECIFICATIONS

**Output Power:**  
75 watts

**Frequency Response:**  
Direct:  $\pm 0.5$  dB, 20 Hz to 20 kHz  
XFMR:  $\pm 0.5$  dB, 50 Hz to 20 kHz

**Distortion:**  
0.03% (1 kHz)

**S/N Ratio (20 kHz BW):**  
95 dB

**Power Bandwidth:**  
Direct: 20 Hz to 20 kHz  $< 0.5\%$  THD  
XFMR: 50 Hz to 20 kHz  $< 0.5\%$  THD

**Output Regulation:**  
Direct:  $< 0.5$  dB  
XFMR:  $< 1.0$  dB

**Outputs:**  
Direct: 4 ohms  
XFMR: 8 ohms, 600 ohms, 25 V, and 70 V (balanced)

**Input Sensitivity:**  
1 volt @ 40 K ohms  
or 100 mV @ 3.6 K ohms (switchable)

**Controls:**  
Level Control  
Subsonic Switch  
Power Switch

#### Indicators:

Power Indicator (Red LED)  
Activity Indicator (Green LED)  
SPS™ Active Indicator (Yellow LED)

**Power Requirements:**  
120 V AC, 60 Hz

**Other Features:**  
24 V DC output

#### FEATURES

- Switchable subsonic filter
- SPS™ circuitry with LED indicator
- LED indicator for signal activity
- Low current 24 V DC output
- Sensitivity switch
- Balanced screw terminal input
- Balanced line-level output
- Level control
- 8 ohm, 25 V and 70 V transformer-isolated outputs
- 4 ohm direct output
- AC convenience outlet
- Powder coated steel chassis
- Rack-mountable with optional ears (2U)

#### DESCRIPTION

The IPA™ 75T II is a high-performance amplifier designed to meet the needs of sound reinforcement installations. The circuit design assures reliable long-term operation and smooth trouble-free installation. The IPA™ Series power amplifiers are ready for any job, utilizing an isolated transformer with multiple output configurations.

#### ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The power amplifier input shall have screw terminal connections and a sensitivity switch. The unit shall have LED indicators to show Power, Activity, and SPS™ compression. The unit shall have a front panel level control, as well as a defeatable subsonic filter.

The unit shall be packaged in a rugged metal chassis 17" wide by 3 1/2" high by 15 5/8" deep. The unit shall operate from standard 120 volts AC, 60 Hz power. The internal power amplifier shall be capable of delivering 75 watts into 4 ohms and 8 ohms, as well as providing 25 volt and 70 volt balanced line outputs. The unit shall be capable of delivering rated power from 20 Hz to 20 kHz  $\pm 0.5$  dB into 4 ohms at its direct output at 0.5% or less distortion with hum and noise at least 95 dB below rated output. The unit shall be called the Peavey Architectural Acoustics Division model IPA™ 75T II.

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## LIMITED WARRANTY

Peavey Electronics Corporation warrants to the original purchaser of this new Architectural Acoustics product that it is free from defects in material and workmanship. If within one (1) year from date of purchase a properly installed product proves to be defective and Peavey is notified, Peavey will repair or replace it at no charge. (Note: Batteries and patch cords not covered.) "Original purchaser" means the customer for whom the product is originally installed.

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